

IN THE CLAIMS

As set forth below, please amend claims 3 and 27 as follows and cancel claims 1, 2, 4-29, 31-111.

1. (Cancelled)
2. (Cancelled)
3. (Currently Amended) A transgenic fly whose genome comprises a DNA sequence encoding a polypeptide comprising the Abeta portion of human APP wherein said DNA sequence encodes Abeta42 (SEQ ID NO: 2), fused to a signal sequence, said DNA sequence operably linked to an eye-specific promoter GMR sequence; and expressing said DNA sequence, wherein expression of said DNA sequence results in said fly displaying a The transgenic fly of claim 2 wherein said expression of said DNA sequence results in said fly displaying the "rough eye" phenotype.
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Cancelled)
20. (Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Cancelled)
24. (Cancelled)
25. (Cancelled)
26. (Cancelled)